<b>ÿ</b> /		P6 Rec'd	PCTPTO 15 FEB 2000 PTO-1390 (Rev. 07-200			
	RANSMITTAL LETTER TO DESIGNATED/ELECTED		ATTORNEY'S DOCKET NUMBER 082368-004400US			
	CONCERNING A FILING U		U.S. APPLICATION NO. (If known, see 37 CFR 1.5			
INTERN	ATIONAL APPLICATION NO. PCT/JP03/14909	INTERNATIONAL FILING DATE November 21, 2003	PRIORITY DATE CLAIMED November 22, 2002			
TITLE O		CREENING FOR COMPOUNDS WT1 GENE PRODUCT	THAT INHIBIT THE ENZYMATIC			
APPLICA		SUKAHARA; Mamiko TSUCHIYA; Y IMEMURA; and Michiyo OKAMOTO	oshifumi JIGAMI; Kenichi NAKAYAMA;			
Applican	t herewith submits to the United States	Designated/Elected Office (DO/EO/US) tr	ne following items and other information:			
1. 🗌	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.					
2. 🛛	This is a SECOND or SUBSEQUENT	submission of items concerning a submis	ssion under 35 U.S.C. 371.			
3.	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.					
4. 🔲	The US has been elected (Article 31).					
5. 🗌	A copy of the International Application	as filed (35 U.S.C. 371(c)(2))				
	a.  is attached hereto (required only if not communicated by the International Bureau).					
	b.  has been communicated by the	e International Bureau.				
	c. is not required, as the application	on was filed in the United States Receivir	ng Office (RO/US).			
6.	An English language translation of the	International Application as filed (35 U.S.	.C. 371(c)(2)).			
	a. is attached hereto.					
	b.  has been previously submitted	under 35 U.S.C. 154(d)(4).	·			
7.	Amendments to the claims of the Inter	national Application under PCT Article 19	(35 U.S.C. 371(c)(3))			
	a. are attached hereto (required o	only if not communicated by the Internatio	nal Bureau).			
	b. have been communicated by the	he International Bureau.				
	c. have not been made; however	, the time limit for making such amendme	nts has NOT expired.			
	d. have not been made and will n	ot be made.				
8. 🗌	An English language translation of the	amendments to the claims under PCT Ar	ticle 19 (35 U.S.C. 371(c)(3)).			
9. 🛛 T	An oath or declaration of the inventor(suchiya; and 2) executed by Inventors	s) (35 U.S.C. 371(c)(4)) - in two parts: 1) ligami, Nakayama, Umemura and Okamo	executed by Inventors Tsukahara and to.			
10.	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
Iten	ns 11 to 20 below concern document	(s) or information included:				
11. 🛛	An Information Disclosure Statement	ınder 37 CFR 1.97 and 1.98.				
12.	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.					
13.	A preliminary amendment.					

17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.

A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

18. A second copy of the published International Application under 35 U.S.C 154(d)(4).

14. An Application Data Sheet under 37 CFR 1.76.

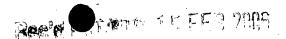
16. A power of attorney and/or change of address letter.

15. A substitute specification.

V	U.S. APPLICATION I		CFR 1.5)	INTERNATIONA	L APPLICA	TION NO.		OCKET NUMBER	
	10	)/536,935		PCT/JP03/14909		082368-004400US			
	20. Other items or information: Express Mail Label No.: <u>EV 566969831 US</u> ; Submission copy of the Sequence Listing; English Translation of the International Preliminary Report International Search Report; and copies of cited references.								
	The following	ng fees have been s	ubmitted	₩			CALCULATIONS	PTO USE ONLY	
	21. Basic national fee (37 CFR 1.492(a))				\$				
	22. Examination	22. Examination fee (37 CFR 1.492(c))							
	If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  All other situations					\$			
	If the written opinion o IPEA/US indica Search fee (37 CFR 1. International Se International Search R previously comr	tes all claims satisfy .445(a)(2)) has been earching Authority Report prepared by a municated to the US	international provisions on paid on the in ISA other by the IB	preliminary examination of PCT Article 33(1)-(4) international application than the US and provide	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 PTO as an 100 ffice or 400	\$		
	-	TOTAL OF 21, 22 a	nd 23 =				\$		
	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				listing in an				
	Total Sheets E	xtra Sheets		each additional 50 or front ound up to a whole num		RATE			
	- 100 =	/50 =				x \$250	\$		
	Surcharge of \$130.00 after the date of comm	Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).			\$ 130.00				
	CLAIMS	NUMBER F	ILED	NUMBER EXTRA		RATE			
	Total claims		- 20 =		х	\$ 50	\$		
	Independent claims		- 3 =			\$200	\$		
	MULTIPLE DEPENDE	ENT CLAIM(S) (if ap	plicable)	<u></u>		\$360	\$	ļ	
	TOTAL OF ABOVE CALCULATIONS =  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.  SUBTOTAL =					\$			
						\$			
						\$ 130.00			
	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  **TOTAL NATIONAL FEE = **TOTAL NATIONAL FEE **  **TOTAL PROPERTY FEE **  **			\$					
				\$					
	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +			\$					
	TOTAL FEES ENCLOSED =			\$ 130.00	=				
02/22/20	D6 LLANDGRA 0000001	8 201430 10530	5935				Amount to be refunded:	\$	
01 FC:16				±			Amount to be charged:	\$ 130.00	

а. 🗌	A check in the amount of \$	to cover the above fees is enclosed.					
b. 🛚	Please charge my Deposit Account No. <u>20-1430</u> i A duplicate copy of this sheet is enclosed.	in the amount of \$ 130.00 to cover the above fees.					
с. 🛚	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>20-1430</u> . A duplicate copy of this sheet is enclosed.						
d. 🗌	Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.						
	NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.						
Kevin Ba TOWNS Two Em	astian END AND TOWNSEND AND CREW LLP barcadero Center, Eighth Floor ncisco, CA 94111-3834	SIGNATURE  Kevin Bastian  NAME  34,774  REGISTRATION NUMBER					

60704414 v1



## STIC Biotechnology Systems Branch

# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	/0/536,935	
Source:	PCT/10	_
Date Processed by STIC:	6/9/05	_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK-SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 4.2.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

BEST AVAILABLE COPY



RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/536,935

DATE: 06/09/2005

TIME: 09:38:32

Input Set : A:\082368-004400US.txt

Output Set: N:\CRF4\06092005\J536935.raw

```
4 <110> APPLICANT: Tsukahara, Kappei
 5
         Tsuchiya, Mamiko
 6
         Jigami, Yoshifumi
 7
         Nakayama, Kenichi
         Umemura, Mariko
         Okamoto, Michiyo
11 <120> TITLE OF INVENTION: METHOD OF SCREENING FOR COMPOUNDS THAT
         INHIBIT THE ENZYMATIC ACTIVITY OF GWT1 GENE PRODUCT
12
15 <130> FILE REFERENCE: 082368-004400US
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- C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/536,935
- C--> 17 <141> CURRENT FILING DATE: 2005-05-20
  - 17 <150> PRIOR APPLICATION NUMBER: PCT/JP03/14909
  - 18 <151> PRIOR FILING DATE: 2003-11-21
  - 20 <150> PRIOR APPLICATION NUMBER: JP 2002-339418
- 21 <151> PRIOR FILING DATE: 2002-11-22 E--> 23 <160> NUMBER OF SEQ ID NOS: 1 | 8  $\angle$  /20  $\rho$ . 2 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply Corrected Diskette Neede

## ERRORED SEQUENCES

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1859 <213> ORGANISM: Artificial sequence

1861 <220> FEATURE:

1862 <223> OTHER INFORMATION: Description of Artificial Sequence:an artificially

synthesized primer sequence

1865 <400> SEQUENCE: 16

E--> 1866 gcatcgattt atagcttaat gaatattctt tttct atac

last sequere in submitted file <210> 18 <211> .60

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<213> Saccharomyces cerevisiae

<400> 18

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1380

455

(460) delete

do not number stop coders-they do not code for amend acids

#### VERIFICATION SUMMARY

PATENT APPLICATION: US/10/536,935

DATE: 06/09/2005 TIME: 09:38:33

Input Set : A:\082368-004400US.txt

Output Set: N:\CRF4\06092005\J536935.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:867 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7 L:1395 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#: 12, CDS LOCATION: 44..2001 L:1399 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#: 12, CDS LOCATION: 44..2001 L:1459 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#: 12, CDS LOCATION: 44..2001 L:1463 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#: 12, CDS LOCATION: 44..2001 L:1519 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#: 12, CDS LOCATION: 44..2001 L:1523 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#: 12, CDS

LOCATION: 44..2001 L:1866 M:254 E: No. of Bases conflict, LENGTH:Input:34 Counted:39 SEQ:16 L:1866 M:252 E: No. of Seq. differs, <211> LENGTH:Input:34 Found:39 SEQ:16

L:23 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (1) Counted (18)



## United States Patent and Trademark Office

082368-004400 US

NITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY. DOCKET NO. 082368-004400US

10/536,935

Kappei Tsukahara

INTERNATIONAL APPLICATION NO.

PCT/JP03/14909

I.A. FILING DATE

PRIORITY DATE

11/21/2003

11/22/2002

20350 TOWNSEND AND TOWNSEND AND CREW, LLP TWO EMBARCADERO CENTER **EIGHTH FLOOR** SAN FRANCISCO, CA 94111-3834

Date Mailed: 12/

**CONFIRMATION NO. 6397** 

371 FORMALITIES LETTER

OC000000017621684\*

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/20/2005
- English Translation of the IA filed on 05/20/2005
- Copy of the International Search Report filed on 05/20/2005
- Copy of IPE Report filed on 05/20/2005
- Preliminary Amendments filed on 05/20/2005
- Biochemical Sequence Diskette filed on 05/20/2005
- Biochemical Sequence Listing filed on 05/20/2005
- U.S. Basic National Fees filed on 05/20/2005
- Priority Documents filed on 05/20/2005
- Specification filed on 05/20/2005
- Claims filed on 05/20/2005
- Abstracts filed on 05/20/2005
- Drawings filed on 05/20/2005
- Paper nucleotide sequence listings filed on 05/20/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- . To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the

Inc



missing items identified in this letter.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is \$380 for a Large Entity:

- \$130 Surcharge.
  - A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of
    the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as
    indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a
    substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content
    of the sequence listing information recorded in computer readable form is identical to the written (on paper
    or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR
    1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).
  - The specification and drawings contain more than 100 pages. Applicant owes \$250 for 20 pages in excess of 100 pages for a non-small entity.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

DARRELL C COTTMAN

Telephone: (703) 308-9140 EXT 203

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.		
10/536,935	PCT/JP03/14909	082368-004400US		

FORM PCT/DO/EO/905 (371 Formalities Notice)